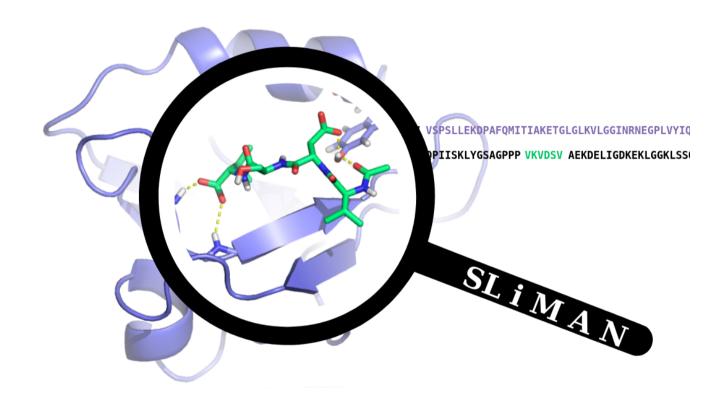
# SLiMAN - Instruction manual Version 2.0



Reys Victor Labesse Gilles







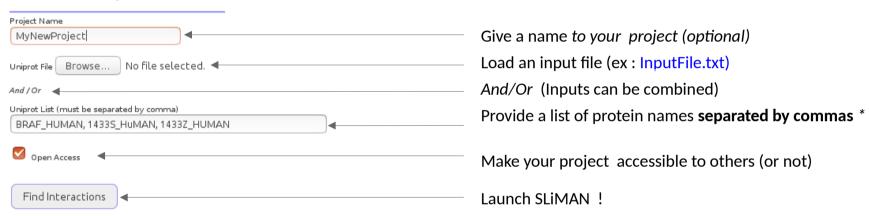






# **SLiMAN - Inputs**

#### New SLiMAN Project

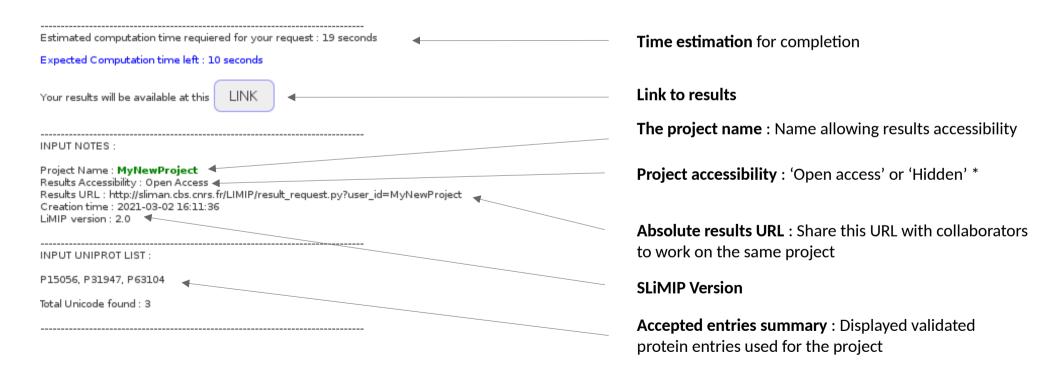


\* Note : only uniprot ACC and ID are accepted

# SLiMAN - Running query

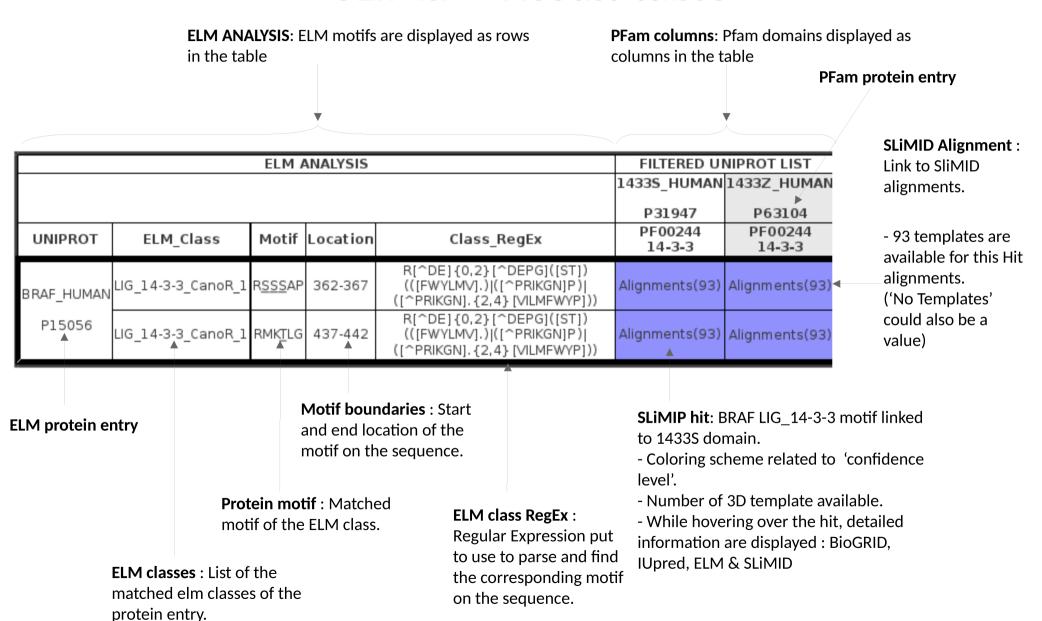
#### LiMIP

### **Linear Motif Interaction Prediction**

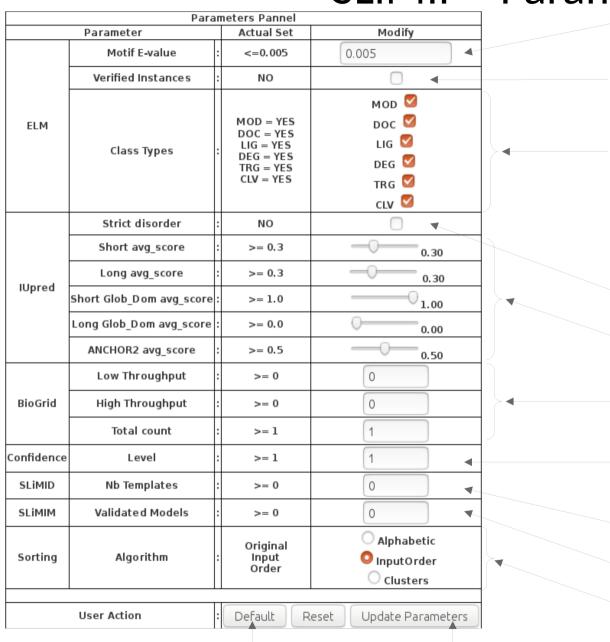


<sup>\*</sup> Note: In open access mode, SLiMAN results will be displayed in the 'Webserver results' section

#### SLiMIP - Result table



# **SLiMIP - Parameters**



**ELM E-value**: Probability to find by coincidence.

(The lower the better).

**ELM verified instances**: Is the hit within ELM verified

instances database?

**ELM class types**: Check class types to be displayed.

Mod = Post-translational modification

Doc = Docking site

Lig = Ligand binding site

Deg = Degradation site

Trg = Targeting site

Clv = Cleavage site

**IUpred Strict-disorder**: Are all a.a of the motif >0,5 for all

Short, ShotGlob and Anchor2 scores?

**IUpred disorder scores**: Filter out IUpred scores below

the selected thresholds.

**BioGRID interactions count**: Check numbers of

interactions (between protein pairs).

SLiMIP hit confidence: Check hit has a confidence level above

threshold.

Note: Refere to confidence table color codes

**SLiMID** available templates: Check if hits match a given

number of SLiMID templates.

**SLIMIM validated models**: Check if hits have validated models

above threshold.

Sorting Algorithm: Ordering proteins displayed in the

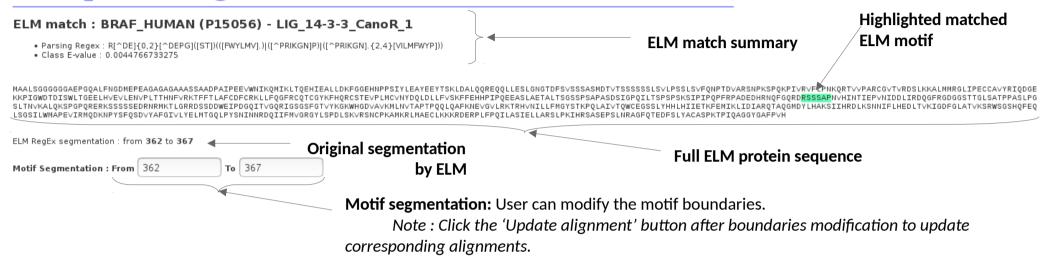
table.

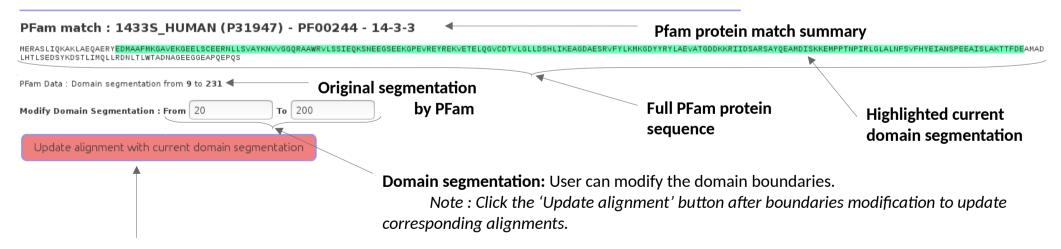
Set default parameters

**Update Parameters :** Once parameters have been changed, update the page.

# **SLiMID - Segmentation**

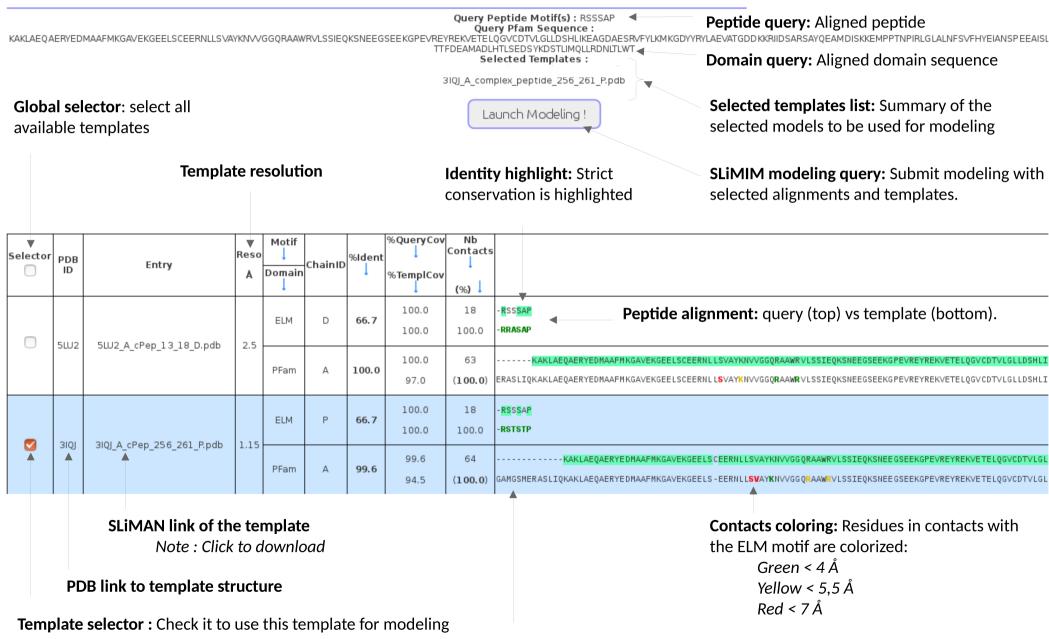
# Template alignments





**Update alignment button:** Apply current segmentation to sequence-structure alignments.

# **SLiMID - Alignments**



**Domain alignment:** query (top) vs template (bottom).

# **SLiMIM - Models**

**Discarded:** List of discarded

models.

Note: After saving, discarded models will be deleted from the project.

Link to download all models as zip archive

-> Download Analysis.zip 🛮 <-

Validated: List of validated models.

Note: Validated models are

forwarded to SliMIP results and is
also a filter-parameter.

Validated

. P31947\_PF00244\_by\_3IQJ\_A\_complex\_peptide\_256\_261\_P/SCWRL/BLAST

Discarded

P31947\_PF00244\_by\_5LU2\_A\_complex\_peptide\_13\_18\_D/SCWRL/BLAST
 P31947\_PF00244\_by\_5LU2\_A\_complex\_peptide\_13\_18\_D/SCWRL/MAFFT

Save Selection

**Currently displayed model:** A 'green eye' is displayed on the row of the currently visualized structure.

**Modeling software** 

After model selection, click the button to save and forward the

**Selection update:** 

data to SLiMIP.

**Model validations:** Check the appopriate button to discard or validate models.

Unselected

Note : Can be left

unselected

1	Alignment software

		DDD	CLIMID	D	0/144	C - 64	la1:	Dr D M. dl	84 - A!E-	D4:4- M-4-1	C	Validation	
		PDB	SLIMID	Reso.	%ident	Software	Alignemeni	PFam Domain Model	Motirs	_	Complexes	validation	
	<u>5LU2</u>	5.110 A	2.5	100.0	▼ SCWRL	BLAST	MODEL B TEMPLATE B FASTA B	-RSSSAP -RRASAP	MODEL TEMPLATE FASTA	COMPLEXE			
"		₽DB	5LU2 A complex peptide 13 18 D	2.5	100.0	SCWRL	MAFFT	MODEL TEMPLATE FASTA	-RSSSAP -RRASAP		COMPLEXE		
31	<u>310J</u>		11	00 5	SCWDI	BLAST	MODEL TEMPLATE FASTA	-RSSSAP -RSTSTP		COMPLEXE	× 00	\	
		₽DB	PDB 3IOJ A complex peptide 256 261 P	1.1	99.5	SCWRL	MAFFT	MODEL TEMPLATE FASTA	-RSSSAP -RSTSTP		COMPLEXE		\
_												V	'al

Original PDB structure: Visualize, download or access the original structure

**SLiMID template:** Visualize or download the extracted SLiMID template

Discarded

# SLiMAN BioGRID extention input

#### BioGrid Extention



\* Note : only uniprot ACC and ID are accepted

### BioGRID extention results

